

CLAIMS

1. Device for adjusting the angle of a vibrating conveyor (1) driven by a vibratory drive, especially for portioning scales, with a vibrating conveyor carrier (2) mounted on the vibratory drive, and a clamping element, by means of which the vibrating conveyor can be clamped in a detachable manner to an abutment of the vibrating conveyor carrier (2) at a minimum of two different angles, characterized in that the clamping element has a tension member (11), which is supported on the vibrating conveyor carrier (2) and introduces the clamping force; a tie rod (9) connected to the tension member; and a manual actuating element (7), connected to the tie rod (9), which actuating element can be pivoted manually between a position which loosens the vibrating conveyor (2) and a position which clamps the vibrating conveyor (2).

2. Device according to Claim 1, characterized in that the height of the abutment is adjustable.

3. Device according to Claim 1 or Claim 2, characterized in that the abutment has a preferably cylindrical pin, which is supported in an opening (5) in the vibrating conveyor carrier,

this opening extending essentially in the vertical direction and being located preferably in an upward-projecting area (3) of the vibrating conveyor carrier.

4. Device according to Claim 3, characterized in that the pin is parallel to the pivot axis of the vibrating conveyor, i.e., the axis around which the vibrating conveyor is oriented when its angle is adjusted.

5. Device according to one of the preceding claims, characterized in that the vibrating conveyor has a contact element which is complementary to the abutment and is used for clamping.

6. Device according to one of Claims 3-5, characterized in that a vertical edge of the first opening has at least two recesses, in which the pin can rest to establish different height positions.

7. Device according to one of Claims 3-6, characterized in that the vibrating conveyor carrier, especially the projecting area of the vibrating conveyor carrier, has a second opening (13), which serves to support a tension member of the clamping element, namely, the member which introduces the clamping force.

8. Device according to Claim 7, characterized in that the second opening extends essentially in the clamping direction and opens to the outside at the upper edge of the upward-projecting area.

9. Device according to one of the preceding claims, characterized in that the vibrating conveyor has a support element (17), which supports the conveyor on the free edge of the upward-projecting area.

10. Device according to one of Claims 7-9, characterized in that the clamping element has a tie rod (9) parallel to the longitudinal axis of the vibrating conveyor, and in that the manual actuator is a lever arm (7), which is hinged to the tie rod and has a center of rotation on the vibrating conveyor (2).